

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS OF OPTIMIZING RECORDING CURRENT AND SETTING RECORDING DENSITY OF HARD DISK DRIVE

the specification of which is attached hereto, unless the following box is checked:

☒ was filed on December 12, 2003 as United States Application Number or PCT International Application Number 10/733,818 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefit(s) under 35 U.S.C. § 119(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority NOT
Claimed

2002-79750

(Number)

Republic of Korea

(Country)

13/December/2002

Day/Month/Year Filled

☐

(Number)

(Country)

Day/Month/Year Filled

☐

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(a) of any United States application(s), or § 365(a) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Serial No.)

(Filing Date)

(Status -- patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Stas & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



21171
PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jong-yoon KIM

Inventor's Signature JONG YOON KIM

Date 17 May 2004

Residence Yongin-si, Republic of Korea

Citizenship Republic of Korea

Mailing Address 101-1401 Seonggung-ro Maoul SK Apt., Seochon-d, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea

Full name of second inventor Chang-dong YEO

Inventor's Signature

Date

Residence Yongin-si, Republic of Korea

Citizenship Republic of Korea

Mailing Address 203-604 Oreh Maoul Hyundai Home Town 2-cha Apt. 1110 Jukjeon-si, Suil-eup, Yongin-si, Gyeonggi-do, Republic of Korea

☒ Additional inventors are being named on separately numbered sheets attached hereto.

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

Full name of third inventor Seyng-hyun SONG

Inventor's Signature _____

Date _____

Residence Seoul, Republic of KoreaCitizenship Republic of KoreaMailing Address B-1305 Kukdong Apt., Oksu 2-dong, Soongdong-gu, Seoul, Republic of KoreaFull name of fourth inventor Goun-soo KIM

Inventor's Signature _____

Date _____

Residence Seoul, Republic of KoreaCitizenship Republic of KoreaMailing Address 202-701 Juaong Apt., (9/4) 748-5 Sanggye-dong, Nowon-gu, Seoul, Republic of Korea

Full name of fifth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of sixth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of seventh inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of eighth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of ninth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____



Form (Rev. 2/01)

UNITED STATES

Docket No.: 1793.1094

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS OF OPTIMIZING RECORDING CURRENT AND SETTING RECORDING DENSITY OF HARD DISK DRIVE

the specification of which is attached hereto, unless the following box is checked:

☒ was filed on December 12, 2003 as United States Application Number or PCT International Application Number 10/733,818 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefit(s) under 35 U.S.C. § 119(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)**Priority NOT
Claimed**

<u>2002-79750</u> (Number)	<u>Republic of Korea</u> (Country)	<u>13/December/2002</u> Day/Month/Year Filed	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ Day/Month/Year Filed	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(e) of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u> </u> (Application Serial No.)	<u> </u> (Filing Date)	<u> </u> (Status -- patented, pending, abandoned)
<u> </u> (Application Serial No.)	<u> </u> (Filing Date)	<u> </u> (Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Stans & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

21171
PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that those statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jong-yeon KIM

Inventor's Signature <u> </u>	Date <u> </u>
Residence <u>Yongin-si, Republic of Korea</u>	Citizenship <u>Republic of Korea</u>
Mailing Address <u>101-1401 Seoyeunse Maoul SK Apt. Seoyeun-d, Gihyeon-eup, Yongin-si, Gyeonggi-do, Republic of Korea</u>	

Full name of second inventor Chang-dong YEO

Inventor's Signature <u>Chang-Dong Yeo</u>	Date <u>17 May 2004</u>
Residence <u>Yongin-si, Republic of Korea</u>	Citizenship <u>Republic of Korea</u>
Mailing Address <u>203-604 Daeri Maoul Hyundai Home Town 2-sha Apt. 1110, Jukleon-n, Sull-eup, Yongin-si, Gyeonggi-do, Republic of Korea</u>	

☒ Additional inventors are being named on separately numbered sheets attached hereto.

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

Full name of third inventor Sang-hyun SONG

Inventor's Signature _____

Date _____

Residence Seoul, Republic of KoreaCitizenship Republic of KoreaMailing Address 8-1305 Kukdong Apt., Okso 2-dong, Seongdong-gu, Seoul, Republic of KoreaFull name of fourth inventor Geun-soo KIMInventor's Signature Geun-soo KimDate 17 May 2004Residence Seoul, Republic of KoreaCitizenship Republic of KoreaMailing Address 202-701 Junong Apt., (9/4) 746-6 Sangsae-dong, Nowon-gu, Seoul, Republic of Korea

Full name of fifth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of sixth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of seventh inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of eighth inventor _____

Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____

Full name of ninth inventor _____

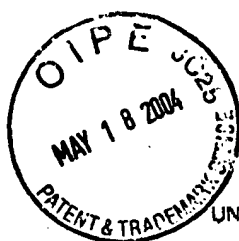
Inventor's Signature _____

Date _____

Residence _____

Citizenship _____

Mailing Address _____



Form (Rev. 2/01)

UNITED STATES

Docket No.: 1793.1084

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS OF OPTIMIZING RECORDING CURRENT AND SETTING RECORDING DENSITY OF HARD DISK DRIVE

the specification of which is attached hereto, unless the following box is checked:

☒ was filed on December 12, 2003 as United States Application Number or PCT International Application Number 10/733,818 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefit(s) under 35 U.S.C. § 119(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority NOT
Claimed

<u>2002-79750</u>	<u>Republic of Korea</u>	<u>13/December/2002</u>	<input type="checkbox"/>
(Number)	(Country)	Day/Month/Year Filed	

_____	_____	_____	<input type="checkbox"/>
(Number)	(Country)	Day/Month/Year Filed	

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(e) of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status -- patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Staas & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

21171
PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jong-yoon KIM

Inventor's Signature _____	Date _____
Residence <u>Yongin-si, Republic of Korea</u>	Citizenship <u>Republic of Korea</u>
Mailing Address <u>101-1401 Seongeunae Maoul SK Apt. Socheon-ri, Gilheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea</u>	

Full name of second inventor Chang-dong YEO

Inventor's Signature _____	Date _____
Residence <u>Yongin-si, Republic of Korea</u>	Citizenship <u>Republic of Korea</u>
Mailing Address <u>203-604 Daaji Maoul Hyundai Home Town 2-chae Apt. 1110 Jukjeon-ri, Sull-eup, Yongin-si, Gyeonggi-do, Republic of Korea</u>	

☒ Additional inventors are being named on separately numbered sheets attached hereto.

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

Full name of third inventor Seung-hyun SONGInventor's Signature Seung-Hyun Song Date 17 May 2004Residence Seoul, Republic of Korea Citizenship Republic of KoreaMailing Address 8-1305 Kukdong Apt., Oksu 2-dong, Seongdong-gu, Seoul, Republic of KoreaFull name of fourth inventor Geun-soo KIM

Inventor's Signature _____ Date _____

Residence Seoul, Republic of Korea Citizenship Republic of KoreaMailing Address 202-701 Jugong Apt. (9/4) 746-5 Sangye-dong, Nowon-gu, Seoul, Republic of Korea

Full name of fifth inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

Mailing Address _____

Full name of sixth inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

Mailing Address _____

Full name of seventh inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

Mailing Address _____

Full name of eighth inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

Mailing Address _____

Full name of ninth inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

Mailing Address _____